

1. Record Nr.	UNINA9910485588003321
Autore	Shiyal Bhadresh
Titolo	Beginning Azure Synapse Analytics : Transition from Data Warehouse to Data Lakehouse / / by Bhadresh Shiyal
Pubbl/distr/stampa	Berkeley, CA : , : Apress : , : Imprint : Apress, , 2021
ISBN	9781484270615 1484270614
Edizione	[1st ed. 2021.]
Descrizione fisica	1 online resource (263 pages)
Disciplina	658.40380285574
Soggetti	Microsoft software Microsoft .NET Framework Big data Microsoft Big Data
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Chapter 1: Core Data and Analytics Concepts -- Chapter 2: Modern Data Warehouses and Data Lakehouses -- Chapter 3: Introduction to Azure Synapse Analytics -- Chapter 4: Architecture and its Main Components -- Chapter 5: Synapse SQL -- Chapter 6: Synapse Spark -- Chapter 7: Synapse Pipelines -- Chapter 8: Synapse Workspace and Studio -- Chapter 9: Synapse Link -- Chapter 10: Azure Synapse Analytics Use Cases and Reference Architecture.
Sommario/riassunto	Get started with Azure Synapse Analytics, Microsoft's modern data analytics platform. This book covers core components such as Synapse SQL, Synapse Spark, Synapse Pipelines, and many more, along with their architecture and implementation. The book begins with an introduction to core data and analytics concepts followed by an understanding of traditional/legacy data warehouse, modern data warehouse, and the most modern data lakehouse. You will go through the introduction and background of Azure Synapse Analytics along with its main features and key service capabilities. Core architecture is discussed, along with Synapse SQL. You will learn its main features and how to create a dedicated Synapse SQL pool and analyze your big data

using Serverless Synapse SQL Pool. You also will learn Synapse Spark and Synapse Pipelines, with examples. And you will learn Synapse Workspace and Synapse Studio followed by Synapse Link and its features. You will go through use cases in Azure Synapse and understand the reference architecture for Synapse Analytics. After reading this book, you will be able to work with Azure Synapse Analytics and understand its architecture, main components, features, and capabilities. You will: Understand core data and analytics concepts and data lakehouse concepts Be familiar with overall Azure Synapse architecture and its main components Be familiar with Synapse SQL and Synapse Spark architecture components Work with integrated Apache Spark (aka Synapse Spark) and Synapse SQL engines Understand Synapse Workspace, Synapse Studio, and Synapse Pipeline Study reference architecture and use cases.
